



MATERIAL SAFETY DATA SHEET
COMPLIES WITH 29 CFR 1910.1200.
OSHA HAZARD COMMUNICATION RULE

DATE OF LAST REVISION: 04-29-96

CHEMICAL IDENTITY

LABEL IDENTITY	COPPER
CHEMICAL NAME/SYNONYMS	COPPER
FORMULA	Cu
CHEMICAL FAMILY	METAL
CALCULATED MOLECULAR WEIGHT	63-546
CAS REGISTRY NUMBER	7440-50-8, LISTED IN THE TSCA INVENTORY
HAZARDOUS INGREDIENTS	COPPER
%: 100	TLV: 1mg/m3 OSHA/PEL: 1mg/M3

PHYSICAL AND CHEMICAL PROPERTIES

COLOR, FORM AND ODOR	Reddish pieces or powder, no odor
BOILING POINT	2595
DENSITY (gm/cc)	8.96
VAPOR PRESSURE @ 20°	NA
% VOLATILE BY VOLUME (%)	NA
REACTION WITH WATER	None
EVAPORATION RATE (H2O=1)	NA
SOLUBILITY IN WATER	Insoluble
MELTING POINT	1083

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	NA
AUTOIGNITION TEMPERATURE (°C)	NA
FLAMMABILITY	Slight for fine powder
EXTINGUISHING MEDIA	Agents for metal fires such as dolomite, TEC graphite, MET-L-X.
SPECIAL FIRE FIGHTING PROCEDURES	Do not use water on metal fires.
UNUSUAL FIRE & EXPLOSION HAZARDS	Powder below 50 micron size range are weakly explosive in air. Not easily ignited by sparks.



COPPER MATERIAL SAFETY DATA SHEET

SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep or vacuum solids. Do not raise dust.

WASTE DISPOSAL METHOD:

Reclaim for scrap value.

SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION

Any respirator approved for dusts with TLV's not less than 0.05mg/m3

LOCAL EXHAUST

Maintain below TLV

MECHANICAL (general)

Not advised

SPECIAL

NA

OTHER

NA

PROTECTIVE GLOVES

Any glove to limit skin contact

EYE PROTECTION

Safety glasses

OTHER PROTECTIVE EQUIPMENT

None

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING/STORAGE:

None.

TRANSPORTATION REQUIREMENTS

DOT CLASS:

Not Classified

UN NUMBER:

N. C.

IMCO CLASS:

N. C.

OTHER:

PRECAUTIONARY LABELING

NONE

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NA= NOT APPLICABLE

ND= NO DATA FOUND